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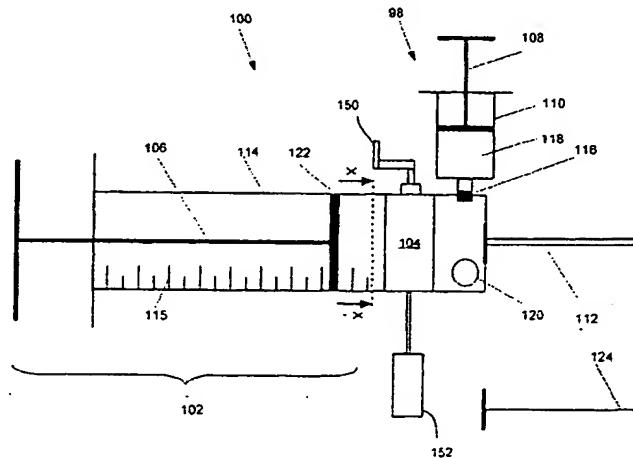
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(54) Title: APPARATUS AND METHOD FOR IMMUNOTHERAPY OF A CANCER THROUGH CONTROLLED CELL LYSIS



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(57) **Abstract:** The treatment device includes an extraction mechanism, configured to extract a tissue sample from a patient or a tumor, coupled to a lysis mechanism. The lysis mechanism is configured to induce lysis of the tissue sample into a lysed tissue sample. The treatment device also includes an administration mechanism that is coupled to both the extraction mechanism and the lysis mechanism. Further included with the treatment device is an additive mechanism configured to add an additive solution to the lysed tissue sample before the lysed tissue sample is administered to the patient. Furthermore, the invention also provided a method for treating a cancer. The method includes the steps of extracting a tissue sample from a patient or a tumor into a chamber of a treatment device. Lysing the tissue sample into an lysed tissue sample within the chamber of the treatment device and administering the lysed tissue sample directly from the treatment device into the patient.